



## NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

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### NEWS RELEASE

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#### **National Geospatial-Intelligence Agency to Host Research Discussions at ASPRS in Milwaukee, May 1-5**

**BETHESDA, Md.**—The National Geospatial-Intelligence Agency will host technical sessions, present research papers and exhibit some of its capabilities during the annual conference of the American Society of Photogrammetry and Remote Sensing, May 1-5 at the Frontier Airlines Center in Milwaukee.

During the conference NGA scientists and researchers will moderate special sessions on open source motion imagery, geospatial visual analytics, sparsity and compressive sensing, and tradecraft for remote sensing and data exploitation. Details of NGA's involvement in these sessions are attached.

In booth #104 of the ASPRS exhibit hall, NGA will showcase a range of geospatial intelligence capabilities and initiatives intended to put the power of GEOINT into the hands of users by increasingly delivering intelligence online and on demand, and by broadening and deepening analytical expertise. In addition, NGA employees and affiliated students will showcase the latest efforts to advance geospatial intelligence technology in a variety of applications. The exhibit hall opens on Tuesday, May 3, at 10 a.m. and closes on Thursday, May 5, at 11 a.m.

In addition, scientists from NGA's basic and applied research division will lead a separate session on activity-based geospatial intelligence at a nearby off-site location on Monday, May 2. Activity-based GEOINT focuses on capturing activities as they occur and, based on understanding of patterns of life, analyzing those activities to determine normal from abnormal, to determine relationships, to discover networks, and to project and forecast in support of anticipatory intelligence analysis.

Founded in 1934, ASPRS is an international professional organization of 6,000 geospatial data professionals. ASPRS is devoted to advancing knowledge and improving understanding of the mapping sciences to promote responsible application of photogrammetry, remote sensing, geographic information systems and supporting technologies. Details about the conference and all sessions and exhibits are available on line at [www.asprs.org/milwaukee2011](http://www.asprs.org/milwaukee2011).

The National Geospatial-Intelligence Agency is the nation's premier source of geospatial intelligence. As a Department of Defense combat support agency and a member of the U.S. Intelligence Community, NGA provides imagery analysis, maps and geospatial data for U. S. national defense, disaster relief and safety of navigation. NGA seeks to know the Earth, show the way, and understand the world. For more information, visit [www.nga.mil](http://www.nga.mil).

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Here are highlights of NGA's involvement in technical sessions at the annual conference of the American Society of Photogrammetry and Remote Sensing. These sessions are unclassified and open to all ASPRS conference attendees. All sessions take place in the Frontier Airlines Center in Milwaukee.

Tuesday, May 3, 2011

- Dr. Young Suk Sull, a project scientist at NGA, will chair a special session on open source motion imagery at 9:30 a.m., in Room 202C. An open discussion moderated by Dr. Sull and Dr. Marc K. Boysworth, also a project scientist at NGA, will follow at 11:15 a.m.
- Joshua Magarick, a project scientist at NGA, will chair a special session on geospatial visual analytics at 1:30 p.m. and will moderate an open discussion following the presentations at 3:30 p.m., also in Room 202C.

Wednesday, May 4, 2011

- Robert D. Thomas, a senior program manager under contract to NGA, will moderate a special session on sensor modeling and metadata development for unattended sensor platforms at 9:15 a.m. in Room 203C. Aaron W. Braun, a senior photogrammetrist under contract to NGA, and David W. Kreighbaum, a photogrammetric cartographer at NGA, will present papers during this session.
- Dr. Justin C. "Chris" Flake, a visiting scientist at NGA, will chair a special session on compressive sensing at 11 a.m. in Room 202C.
- Dr. Edward H. Bosch, a project scientist at NGA, will chair a special session and moderate a roundtable discussion on compressive sensing at 1:30 p.m. in Room 202C.
- Drs. Peter J. Doucette and Henry J. Theiss will present a paper during a session on advancements in image matching, feature extraction and three-dimensional analysis at 1:30 p.m. in Room 203B. Doucette and Theiss are senior photogrammetrists under contract to NGA.
- James L. Kindig, a project scientist at NGA, will chair a special session on tradecraft for remote sensing and data exploitation at 3:30 p.m. in Room 202C. As part of this session, Gregg T. Clark, a lead geospatial analyst at NGA, will moderate a panel discussion on advancing geospatial intelligence through tradecraft.
- Dr. John C. Marshall, a senior photogrammetrist under contract to NGA, will present a paper during a special session on geopositioning from unattended sensor platforms at 3:30 p.m. in Room 201B.

Thursday, May 5, 2011

- John T. Dolloff, a senior photogrammetrist under contract to NGA, will present a paper during a session on image registration at 9 a.m. in Room 203B.
- Dr. Henry J. Theiss, a senior photogrammetrist under contract to NGA, will present two papers during a session on advancements in sensor calibration and modeling at 9 a.m. in Room 202E.
- Todd E. Johanesen, senior scientist for photogrammetry at NGA, will moderate a special panel discussion on photogrammetry and next-generation unattended sensor platforms at 11 a.m. in Room 202C. Robert D. Thomas, an NGA contractor, will participate in the panel.